PATENT COOPERATION TREAT

PCT

REC'D 2'5 JUN 2004

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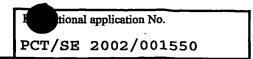
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

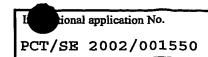
	1				
Applicant's or agent's file reference	FOR FURTHER ACTIO	N See Form P	CT/IPEA/416		
115416 PEL		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Distinct date (day/month/sea)		
International application No.	International filing date (da	y/month/year)	Priority date (day/month/year)		
PCT/SE 2002/001550	30.08.2002				
International Patent Classification (IPC)		IPC			
H01Q 3/01, H01Q 21/00	, G01S 3/38				
Applicant	M Declaration of t	-1			
Telefonaktiebolaget L	W Ericsson et	ar			
This report is the international pro- Authority under Article 35 and to	eliminary examination report ransmitted to the applicant ac	, established by thi cording to Article	s International Preliminary Examining 36.		
2. This REPORT consists of a total	of 3 sheets, in	ncluding this cover	sheet.		
3. This report is also accompanied by			·		
			sheets, as follows:		
a (sent to the applican	t and to the International Bu	reau) a total of	sneets, as follows:		
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which	supersede earlier sheets, but	which this Author	ity considers contain an amendment that goes		
beyond the d	lisclosure in the international	application as filed	l, as indicated in item 4 of Box No. I and the		
Supplements	al Box.				
b. (sent to the Internati			number of electronic carrier(s))		
	, containing	a sequence listing	and/or tables related thereto, in computer		
readable form only, Administrative Instr	as indicated in the Suppleme uctions).	ntal Box Relating t	o Sequence Listing (see Section 802 of the		
4. This report contains indications	relating to the following item	s:			
	of the report				
Box No. II Priorit	ty				
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	of unity of invention	-			
1 1	*	35(2) with record to	novelty, inventive step or industrial		
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certai	n documents cited				
Box No. VII Certai	n defects in the international	application			
Box No. VIII Certai	n observations on the interna	tional application			
Date of submission of the demand		Date of completion	of this report		
15.03.2004		21.05.2004			
Name and mailing address of the IPEA/	SE	Authorized officer			
Patent- och registreringsverke					
Box 5055 S-102 42 STOCKHOLM		Anna Malm	perg /OGU		
Facsimile No. +46 8 667 72 88		Telephone No. +4	6 8 782 25 00		

INTERNATIONAL PRELIMANARY REPORT ON PATENTABILITY



Box	No. I	Basis of the report	
1.		regard to the language, this report is based on the international application in the langurise indicated under this item.	
		This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:	е,
		international search (under Rules 12.3 and 23.1(b))	:
		publication of the international application (under Rule 12.4)	
İ		international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	furnisl	regard to the elements of the international application, this report is based on (replanted to the receiving Office in response to an invitation under Article 14 are referred to in the receiving to this report):	
	\boxtimes	the international application as originally filed/furnished	
		the description:	,
			as originally filed/furnished
		pages* received by this Authority on	
		pages* received by this Authority on	
	لــا	the claims:	
		pages as amended (together with	as originally filed/furnished
		pages* as amended (together with	any statement) under Article 19
		pages* received by this Authority on	
		the drawings:	
	Щ.	pages	as originally filed/furnished
		pages* received by this Authority on	
		pages* received by this Authority on	
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequen	ce Listing.
3.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	
		the drawings, sheets/figs	
		the sequence listing (specify):	<u> </u>
		any table(s) related to the sequence listing (specify):	
4.		This report has been established as if (some of) the amendments annexed to this report made, since they have been considered to go beyond the disclosure as filed, as indicate 70.2(c)).	rt and listed below had not been d in the Supplemental Box (Rule
		the description, pages	
		the claims, Nos.	
		the drawings, sheets/figs	
		the sequence listing (specify):	
		any table(s) related to the sequence listing (specify):	
*	If item	4 applies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIVENARY REPORT ON PATENTABILITY



Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement			у;		
1.	Statement				
	Novel	lty (N)	Claims Claims	1-12	YES NO
	Invent	tive step (IS)	Claims Claims	1-12	YES NO
	Indus	trial applicability (IA)	Claims Claims	1-12	YES NO

2. Citations and explanations (Rule 70.7)

This report is based on the claims as originally filed.

Documents cited in the International Search Report:

- 1. EP 0520489 A2
- 2. US 5339284 A
- 3. US 4500883 A

The cited documents represent the general state of the art.

The invention defined in claims 1-12 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method for enhancing the measuring accuracy in an antenna array. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-12 is novel and is considered to involve an inventive step. The invention is industrially applicable.

PATENT COOPERATION TREATY
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416				
115416 PEL					
International application No.	International filing date (day/month/year) Priority date (day/month/year)				
PCT/SE 2002/001550 30.08.2002					
International Patent Classification (IPC) of	or national classification and IPC				
H01Q 3/01, H01Q 21/00	, G01S 3/38				
Applicant					
Telefonaktiebolaget LM Ericsson et al					
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a total of	of 3 sheets, including this cover sheet.				
 This report is also accompanied by 	by ANNEXES, comprising:				
	t and to the International Bureau) a total of sheets, as follows:				
and/or sheets	description, claims and/or drawings which have been amended and are the basis of this report containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Instructions).				
	supersede earlier sheets, but which this Authority considers contain an amendment that goe				
beyond the di	isclosure in the international application as filed, as indicated in item 4 of Box No. I and the				
Supplemental	I Box.				
b (sent to the Internatio	onal Bureau only) a total of (indicate type and number of electronic carrier(s))				
mandahla farma anlır a	, containing a sequence listing and/or tables related thereto, in computer is indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the				
Administrative Instru					
4. This report contains indications re	elating to the following items:				
Box No. I Basis of	f the report				
Box No. II Priority	,				
Box No. III Non-est	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial				
= =	applicability; citations and explanations supporting such statement Box No. VI Certain documents cited				
Box No. VII Certain	defects in the international application				
<u></u>	observations on the international application				
Date of submission of the demand	Date of completion of this report				
15.03.2004	21.05.2004				
Name and mailing address of the IPEA/SI	E Authorized officer				
Patent- och registreringsverket Box 5055					
S-102 42 STOCKHOLM	Anna Malmberg /OGU				
Facsimile No. +46 8 667 72 88	Telephone No. +46, 8, 782, 25, 00				

Form PCT/IPEA/409 (cover sheet) (January 2004)

Box	No. I	Basis of the report
1.		regard to the language, this report is based on the international application in the language in which it was filed, unless vise indicated under this item. This report is based on a translation from the original language into the following language,
		which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnisi	regard to the elements of the international application, this report is based on (replacement sheets which have been hed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" re not annexed to this report):
	\boxtimes	the international application as originally filed/furnished
		the description:
		pages as originally filed/furnished
		pages* received by this Authority on
	\Box	pages* received by this Authority on
		the claims: pages as originally filed/furnished
		pages as originally filed/furnished pages* as amended (together with any statement) under Article 19
		pages* received by this Authority on
		pages* received by this Authority on
		the drawings:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
	Ш	a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
*	lf item	1 4 applies, some or all of those sheets may be marked "superseded."

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

. Statement			
Novelty (N)	Claims	1-12	YE
	Claims		NO.
Inventive step (IS)	Claims	1-12	YE
	Claims		NC
Industrial applicability (IA)	Claims	1-12	YE
	Claims		NC

2. Citations and explanations (Rule 70.7)

This report is based on the claims as originally filed.

Documents cited in the International Search Report:

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